**Learning Objectives Addressed:**

1. Students will investigate different cells in the laboratory and discuss the similarities and differences among the different cells.

**Wisconsin and NETS Standards Addressed:**

B.12.4 Show how basic research and applied research contribute to new discoveries, inventions, and applications

C.12.6 Present the results of investigations\* to groups concerned with the issues, explaining\* the meaning and implications of the results, and answering questions in terms the audience can understand

NETS 2. b. Communicate information and ideas effectively to multiple audiences using a variety of media

and formats

NETS 3. b. Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media

NETS 3. c. Evaluate and select information sources and digital tools based on the appropriateness to specific tasks

**Discussion Question:**

1. When reading the article on photosynthetic evolution it discussed an Amoeba. We have not discussed an Amoeba in class yet, but based on the reading what is an Amoeba and how would you classify it? What is the relationship between an Amoeba and the evolution of photosynthesis occurring in plant cells? Use at least one resource other than your textbook to support your answer.

Respond to 2 of your classmates with insightful comments that stimulate discussion.

**Discussion Question Rubric**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Element:** | **Needs Improvement**  **.5** | **Fair**  **1** | **Strong**  **1.5** | **Excellent**  **2** | **Points Earned** |
| **Quality of Information** | Fails to address all parts of the discussion question. Contributions of discussion are not substantive. | Addresses parts of the discussion question. Attempts a substantive response but needs more detail. | Addresses most aspects of the discussion question. Substantive with clear details and examples. | Thoroughly addresses all parts of the discussion question. Substantive. Added depth to the overall conversation. |  |
| **Interaction** | Fails to address postings from other students and not posted on time. | Comments on other postings in timely manner, but only repeats or agrees with what has been said. | Comments on other postings in timely manner with meaningful feedback. | Comments on other postings in timely manner with meaningful feedback that enhances discussion. Provides examples when necessary. |  |
| **Web Resources** | Comments lack any support from resources when required. | Some comments are supported from resources, but fail to cite where information was found. | Most comments are supported by text and sources. Resources are cited with the web address of the page you found the information. | Comments are supported by texts and other sources when necessary. Resource is cited by providing the web address of the page you found the information. |  |
| **Organization and Clarity** | Lacks organization/ unclear and not easy to follow. | Attempts organization, but writing in places is unclear. | Content is organized and clear. | Content is extremely organized, clear and concise throughout. Post is easy to follow and well thought out. |  |
| **Mechanics and Delivery** | Mechanical errors throughout. Tone of post is disrespectful. | Mechanical errors distract at times. Tone is disrespectful at times. | A couple errors present, but they do not distract. Tone of post is respectful and courteous. | Mechanics reflect careful editing and tone of post is respectful and courteous. |  |
| **Total** |  |  |  |  | **/10** |